

Cube-It Conceptual Art

Start with a cube. Then work with a partner in class to build each cubic model with real blocks, sugar cubes, or other math manipulatives.

1. Build a step-back skyscraper with a base of 9 cubes, a second floor of 7 cubes, and a third floor of 5 cubes, following this pattern until your skyscraper is complete. How many cubes high is your skyscraper? How many cubes are in it? Check your work in the answer key.
2. Build four different four-sided pyramids with:
 - a height of 2 cubes and a base of 4 cubes
 - a height of 3 cubes and a base of 9 cubes
 - a height of 5 cubes and a base of 25 cubes
 - a height of 7 cubes and a base of 49 cubes

How many cubes are in each pyramid? Check your work in the answer key.

3. Make up a "Cube-It" word problem for another student to solve. Trade problems and try it!

1. 5 cubes high, 25 total cubes

2. 5,14,55,140